

PE NUMBER: 0102411F

UNCLASSIFIED

PE TITLE: North Atlantic Defense System (NADS)

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 7 - Operational System Development				PE NUMBER AND TITLE 0102411F North Atlantic Defense System (NADS)						
COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
North Atlantic Defense System (NADS)	2,064	569	0	0	0	0	0	0	0	61,731
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) A. Mission Description

This program provides improvements to command, control, and communications (C3) and air surveillance capabilities in Iceland. The Control Reporting Center (CRC) and air surveillance radars support air defense requirements in the strategically important Greenland-Iceland-Norwegian gap. The program is a joint program with NATO funding infrastructure while the US funds cryptographic capabilities, system engineering and integration activities. The Joint Formal Acceptance Inspection (JFAI), a NATO required technical inspection of the entire system, is complete. Once both the JFAI and a NATO required financial audit are completed and any noted discrepancies corrected, the system will be turned over to NATO/Iceland.

NATO has recently approved up to \$1.2M in "Advanced Planning Funds," within the current NADS NATO authorization, to complete a Type B Cost Estimate for a potential Link 16 capability for NADS in Iceland. This will be presented to the NATO Working Group in March and May 1999 for authorization of a full program of \$40M. It is anticipated that a final decision will be made before September 1999, at which time, if approved, NATO would provide the infrastructure funding for the Link 16 task, and the US would fund system engineering and integration activities.

(U) FY 1998 (\$ in Thousands)

- (U) \$ 924 Provide program office support
- (U) \$1,140 Provide systems engineering support for NADS
- (U) \$2,064 Total

NOTE: Program is nearing completion, requiring only engineering support and program management.

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<p>(U) <u>FY 1999</u> (\$ in Thousands)</p> <ul style="list-style-type: none"> - (U) \$ 269 Provide program office support - (U) \$ 283 Provide systems engineering support for NADS - (U) \$ 17 Identified as a source for SBIR - (U) \$ 569 Total <p>NOTE: Program is nearing completion requiring only engineering support and program management</p> <p>(U) <u>FY 2000</u> (\$ in Thousands)</p> <ul style="list-style-type: none"> - (U) \$0 No further funding in this project <p>(U) <u>FY 2001</u> (\$ in Thousands)</p> <ul style="list-style-type: none"> - (U) \$0 No further funding in this project <p>(U) B. <u>Budget Activity Justification:</u></p> <p>The program is in Budget Activity 7 since it supports improvements to currently operational systems.</p>		
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<p>(U) E. <u>Acquisition Strategy</u>: The acquisition of hardware has been completed. Current funding provides engineering support during the NATO Operational Review known as the JFAI (Joint Formal Acceptance Inspection). The JFAI is a NATO technical and financial audit. Any discrepancies must be corrected to satisfy NATO. This requires engineering and technical support to perform this function. NATO also requires On-Island Support to provide technical, management, logistics, and system support services. NATO is deliberating on the funding of Link 16 requirement for NADS. If NATO provides the infrastructure funding for Link 16, the US will fund system engineering and integration activities. NATO has approved up to \$1.2M in "Advanced Planning Funds," within the current NADS NATO authorization, to complete a Type B Cost Estimate for a potential Link 16 capability for NADS in Iceland. This will be presented to the NATO Working Group in March and May 1999 for authorization of a full program of \$40M. It is anticipated that a final decision will be made before September 1999, at which time, if approved, NATO would provide the infrastructure funding for the Link 16 task, and the US would fund system engineering and integration activities. Advanced Planning Funds will cover activities through FY99.</p> <p>(U) F. <u>Schedule Profile</u></p> <table style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th></th> <th align="center" colspan="3"><u>FY 1998</u></th> <th></th> <th align="center" colspan="3"><u>FY 1999</u></th> <th></th> <th align="center" colspan="3"><u>FY 2000</u></th> <th></th> <th align="center" colspan="3"><u>FY 2001</u></th> <th></th> </tr> <tr> <th></th> <th align="center">1</th> <th align="center">2</th> <th align="center">3</th> <th align="center">4</th> <th align="center">1</th> <th align="center">2</th> <th align="center">3</th> <th align="center">4</th> <th align="center">1</th> <th align="center">2</th> <th align="center">3</th> <th align="center">4</th> <th align="center">1</th> <th align="center">2</th> <th align="center">3</th> <th align="center">4</th> </tr> </thead> <tbody> <tr> <td>(U) FOC</td> <td></td> <td align="center">*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Preparation for JFAI</td> <td></td> <td></td> <td></td> <td align="center">*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) CI-13 Install</td> <td></td> <td></td> <td></td> <td align="center">*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) JFAI</td> <td></td> <td></td> <td></td> <td></td> <td align="center">*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) NATO Financial Audit</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td align="center">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Program residuals</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td align="center">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="margin-top: 10px;">* Denotes completed event x Denotes planned event</p>													<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	(U) FOC		*															(U) Preparation for JFAI				*													(U) CI-13 Install				*													(U) JFAI					*												(U) NATO Financial Audit						x											(U) Program residuals						x										
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(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
Performing Organizations:											
Contractor or Government Performing <u>Activity</u>	Contract Method/Type or Funding <u>Vehicle</u>	Award or Obligation <u>Date</u>	Performing Activity <u>EAC</u>	Project Office <u>EAC</u>	Total Prior to <u>FY 1998</u>	Budget <u>FY 1998</u>	Budget <u>FY 1999</u>	Budget <u>FY 2000</u>	Budget <u>FY 2001</u>	Budget to <u>Complete</u>	Total <u>Program</u>
<u>Product Development Organizations</u>					0	0	0			0	0
<u>Support and Management Organizations</u>											
MITRE	Various	Oct 94	N/A	N/A	36,677	1,140	283			0	38,100
TEMS	Various	Jun 94	N/A	N/A	15,862	721	205			0	16,788
Program Office Support	Various		N/A	N/A	3,181	203	64			0	3,448
<u>Test and Evaluation Organizations</u>											
Various GFP/GFE:	None				3,378	0	0			0	3,378
Government Furnished Property: None											
Identified as a source for SBIR							17				17
Subtotal Product Development					0	0	0			0	0
Subtotal Support and Management					55,720	2,064	552			0	58,336
Subtotal Test and Evaluation					3,378	0	0			0	3,378
Total Project					59,098	2,064	569			0	61,731
Project											